

## CLAIMS

1. An electronic device comprising:

a USB transmitter-receiver having one or more endpoints for sending and receiving information via a universal serial bus;

5 a device section including one or more logical devices for sending and receiving information to/from a host computer, via said USB transmitter-receiver; and

a controller which, when said host computer uses a desired logical device in said device section, selects an endpoint required for sending and receiving information between said logical device and said host computer from the endpoints within said USB transmitter-receiver and makes connection to said logical device.

2. An electronic device, wherein said USB transmitter-receiver includes an endpoint for a control transfer, and

wherein said controller receives, from said host computer, information specifying a desired logical device via said endpoint for a control transfer, and connects an endpoint selected from the endpoints of said USB transmitter-receiver to said logical device.

3. An electronic device, wherein said USB transmitter-receiver includes an endpoint for a control transfer, and

wherein said controller receives, from said host computer, information specifying a desired service via said endpoint for a control transfer, and connects an endpoint selected from the endpoints of said USB transmitter-receiver to a logical device corresponding to the said service.

4. An electronic device according to claim 1, wherein said USB transmitter-receiver performs an interrupt transfer with said host computer via an endpoint for an interrupt control in said USB transmitter-receiver, thereby setting a function of an endpoint used in sending and receiving information between said logical device and said host computer.

5. An electronic device according to claim 1, wherein said USB transmitter-receiver has a plurality of interfaces formed by one or more endpoints and one of these interfaces includes an endpoint for a control transfer; and

Sub-A1

FIG. 1

wherein said controller receives information specifying said desired logical device from said host computer via said endpoint for a control transfer, selects an interface required for sending and receiving information with said host computer from among the interfaces of said USB transmitter-receiver, and makes connection to said logical device.

- 5 6. An electronic device according to claim 1, wherein said USB transmitter-receiver has an endpoint for a control transfer and a plurality of interface blocks corresponding to a plurality of ports, and each interface block has a plurality of interfaces formed by one or a plurality of endpoints, and

10 wherein, when said host computer receives a desired service via a desired port, said controller receives information specifying said desired service from said host computer via said endpoint for a control transfer, and connects an interface block corresponding to said port within said USB transmitter-receiver to a logical device corresponding to said service.

- 15 7. An electronic device according to claim 6, wherein when said host computer requests to receive a different service from another port while using a certain logical device via a certain port, said controller connects an interface block corresponding to said another port to a logical device corresponding to said different service.

- 20 8. An electronic device according to claim 1, wherein said USB transmitter-receiver has a plurality of interface blocks corresponding to a plurality of ports, each said interface block has a plurality of interfaces each formed by one or a plurality of endpoints, and one interface of said interfaces includes an endpoint for control transfer; and wherein, when said host computer receives a desired service via a desired port, said controller receives, from said host computer, information specifying said desired service via said control transfer endpoint, which is included in an interface block corresponding to  
25 said desired port in said USB transmitter-receiver, and connects a logical device corresponding to said service to an interface block corresponding to said port within said USB transmitter-receiver.